

IP Board Notes10 November 19701. Briefing on Power and Air Conditioning Backup

[REDACTED] OL, briefed the Board and invited guests on backup facilities for electric power and air conditioning.

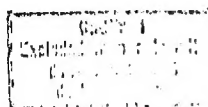
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Air Conditioning: OL moving towards automatically activated completely redundant, air conditioning systems for the three computer service facilities (CRS, RID, and OCS) in Headquarters building; in event of PEPCO power failure, the Agency's emergency generator (2,500 kw) will automatically supply power to the backup chillers. This automatic backup will cover the RID and OCS computer rooms as of January 1971; the CRS computer room will hopefully be similarly covered by July 1971. (There are two emergency chillers now, one backup to the other. After CRS is cut into the system, a third chiller will be required to allow for expansion and to maintain redundancy.)

Electric Power: Two types of problems: (1) power (voltage) surges and (2) power failure.

(1) Power Surges: Our computers are not now buffered from fluctuations (transients) in power (voltage) supplied by VEPCO. Lightning is the primary cause of such fluctuations (15 surges last summer... all due to lightning). Contract is now being negotiated to analyze and make recommendations on the Agency's need for a wide range of backup special facilities, including stable and continuous power and air conditioning for Headquarters computer rooms. Several possible solutions to the power surge problem have been defined by OL. Analysis of these alternative solutions is included in the proposed contract. Funding of the full scope of the contract is a problem, however, and some elements may have to be eliminated. Assuming analysis of the power surge problem remains in the contract, it will still be three or four years before corrective equipment is installed and operating--unless another approach is taken to this problem.

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(2) Power Failure: We now have two feeds from VEPCO. If one fails, the other automatically takes over.

If both VEPCO feeds fail, emergency power (limited) will be generated by CIA emergency generators.

Two such emergency generators (2,000 kw each) are now in place but it takes about 15 minutes to start these generators. Starting is manual, not automatic. GSA personnel who man these generators are not very well trained.

By January 1971, OL hopes to have in operation a third emergency generator (2,500 kw) which will automatically begin the starting sequence after a 5+ second VEPCO failure. This 2,500 kw generator will automatically restore power after 1-1/2 minutes. Covers south end of Headquarters building, including OCS and RID computer rooms. (CRS computer room will be covered, again hopefully, by July 1971.) This 1-1/2 minute return of power presents problem to computer rooms because it by-passes the normal sequence of steps in bringing a computer back up. It was suggested that solution may be to isolate computers from sudden return of power through local circuit breakers and to restore power to each computer in controlled fashion by manual reset of these local circuit breakers.

2. COINS:

Chairman reviewed COINS planning to date, pointing out that:

- IP Board concluded that some CIA role in COINS was probably wise, in spite of lack of substantive utility at present.

- Deputy Directors' discussion ended on note that, if we were going to involve our computers in COINS, CIA should get in with both feet and undertake to steer COINS in more responsible fashion.

- NIPE discussion concluded CIA should continue in COINS but with low profile.

- DCI discussion led to decision; to wit:

- .. Appears DoD has valid requirement for COINS.

- .. CIA does not have requirement for COINS justifying utilization of Headquarters computer.

- .. CIA Headquarters will install two or three terminals to access COINS files in other agencies and CIA will provide to other agencies copies of machine language files judged appropriate to COINS. (Manual files will not be converted to machine language for COINS usage only.)

- .. The NPIC role in COINS is a separate issue; NPIC's NBIDI file responsibilities may cause NPIC to be more active in COINS in future although at present NPIC data is excluded from the COINS net for security reasons.

Next Steps:

will informally sound-out other COINS agencies re above CIA posture.

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- Letter will then be prepared (DCI to DIR/NSA) formally communicating the DCI's decision on COINS.

3. ASPIN Evaluation:

Chairman said ExDir is ready, now that COINS decision has been made, to move on to the ADP organizational and management issues.

Chairman urged the Directorates to submit their comments on ASPIN. His plan for proceeding is to discuss ASPIN in IP Board, then brief Deputy Directors on Board conclusions, then go to ExDir and DCI for decision. Chairman said he hopes to have decision on broad aspects, at least, of the ADP management question by early January 1971.

4. Miscellaneous items:

a. List of lectures at DIA's ISC to which visitors may come was handed out by [redacted]

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b. [redacted] discussed possible need for policy/procedural statement concerning remote terminals. [redacted] will circulate a draft outline for comments by Board members.

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c. DIA's proposed machine codes for security classifications and caveats was handed out for coordination by the IPC's by 30 November 1970. [redacted] indicated that [redacted] USIB Group is also in process of preparing a similar, but apparently more comprehensive code.

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d. [redacted] cited GSA pressure to follow the multi-vendor (lowest procurement cost) route and asked if the Board should consider taking a stand on the multi-vendor issue, particularly in view of the security implications of granting access to our computer centers by a growing number of vendors. In discussion, it was pointed out that CIA does not respond specifically to these GSA inquiries but that CIA, in assuming responsibility itself for hardware procurement, has obligated itself to be sensitive to the intent of these GSA policies. Accordingly, O/PPB has requested feedback from the Directorates on the potential for multi-vendor procurement of those ADP devices specified in the GSA issuances.

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CENTER ROUTING SLIP

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FROM		NPIC/ODIR 6-N-212		DATE 19 NOV 1970
TO		INITIALS	DATE	REMARKS
DIRECTOR				<p><u>F-4I</u></p> <p>[redacted] sent us the attached notes from the Information Processing Board meeting at 10 Nov.</p>
DEP/DIRECTOR				
EXEC/DIRECTOR				
SPECIAL ASST	1	M	11/19	
ASST TO DIR				
HISTORIAN				
CH/PPBS				
DEP CH/PPBS				
EXO/PPBS				
CH/SS	2	A	11/19	
DEP CH/SS				<p>6N212</p> <p>Computer: 1</p>
SC & P				
RECORDS MGT				
PERSONNEL				
LOGISTICS	3	Jot	11/19	
TRAINING				
SECURITY				
FINANCE				
CH/IEG				
DEP CH/IEG				
EXO/IEG				
CH/PSG				
DEP CH/PSG				
EXO/PSG				
CH/TSG				
DEP CH/TSG				
EXO/TSG				
DIR/IAS/DDI				
CH/DIAXX-4				
CH/DIAAP-9				
CH/SPAD				

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